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	DELIV CALL	ERY/ X This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above								s of above numbe	red contract					
OF ORDER	PURCE	HASE		Reference your Furnish the fol	-	erms specified herein	REF:									
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See Schedule 18 ITEM NO 19 SCHEDULE OF SUPPLIES/ SERV					SUPPLIES/ SERV	RVICES 20 QUANTITY ORDERED/ ACCEPTED* 21 UNIT 22 UNIT			PRICE	RICE 23 AMOUNT						
						CHEDULE										
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual EMAIL: (b) (6)						AMERICA		(b) (6)	John	Stano	-	25 TOTAL 26	\$258,215.40)		
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Section B - Supplies or Services and Prices

SUPPLIES/SERVICES

OUANTITY

UNIT

UNIT PRICE

ITEM NO

AMOUNT (b) (4) 0001 Lot **Engineering and Technical Services** in support of the Navy Modernization Programs of Hull Material and Electronics (HM&E) systems from date of award through 12 months. Technical services are further described in the Statement of Work. FOB: Destination ESTIMATED COST FIXED FEE (b) (4) TOTAL EST COST + FEE ITEM NO SUPPLIES/SERVICES QUANTITY UNIT **UNIT PRICE AMOUNT** 000101 (b) (4) Funding for CLIN 0001 **CPFF** 10 U.S.C. 2410(a) is hereby invoked. Funding available for performance through 05 November 2016. FOB: Destination PURCHASE REQUEST NUMBER: 1300530303-0001 **ESTIMATED COST** FIXED FEE (b) (4)TOTAL EST COST + FEE ACRN AA CIN: 130053030300001 ITEM NO SUPPLIES/SERVICES **QUANTITY** UNIT **UNIT PRICE** 0004 1 Lot **Support Costs** COST includes material, travel, incidential subcontracting and other direct costs in support of Items 0001 through 0003 in accordance with the Statement of Work. The estimated costs that will be incurred over the three-year period of the contract This cost is a Not-To-Exceed amount. FOB: Destination **ESTIMATED COST**

ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT 000401 (b) (4)

Funding for CLIN 0004

COST

10 U.S.C. 2410(a) is hereby invoked. Funding available for performance through

05 November 2016. FOB: Destination

PURCHASE REQUEST NUMBER: 1300530303-0001

ESTIMATED COST

ACRN AA

CIN: 130053030300002

Statement of Work Fire Detection System (FDS) Alteration Installation Team

1. SCOPE

1.1. Provide an Alteration Installation Team (AIT) for the Fire Detection System (FDS) aboard three (3) LPD-17 Class ships.

2. ESTIMATED LEVEL OF EFFORT:

Labor Category	Hours					
Program Manager*	(b) (4)					
Site Foreman*						
Quality Assurance Technician						
Senior Engineer						
Logistician						
Marine Electrician						
Shipfitter/Welder/Burner						
Maintenance Trades Helper						
Clerk/Typist						
Total Hours	4,624					

[&]quot;*" Denotes Key Personnel

3. PERIOD OF PERFORMANCE:

3.1. The period of performance will be for 12 months after the award date.

4. PLACES OF PERFORMANCE:

4.1. Ship Alteration 83739 shall take place on two (2) LPD(b) class ships in San Diego, CA and one (1) LPD-(b) class ship in Mayport, FL.

5. PROCUREMENT

N/A

6. GOVERNMENT FURNISHED EQUIPMENT (GFE)

- 6.1. Specific to installation associated with section 1.1, the equipment listed in section 6.1.1will be provided by the government and is associated with SCD 13739 and associated ship hull NAVSEA Drawings (listed below in section 4.1.2.1 through 4.1.2.3)
 - 6.1.1. GFE Specific to SCD 13739 and section 1.1
 - 6.1.1.1. Intelligent Display, Mfgr LEIDOS (Cage Code: 61099)

NSN: 7025-01-619-1516

- 6.1.2. Drawings associated with 6.1.1
 - 6.1.2.1. NAVSEA Drawing No: 185-8304135
 - 6.1.2.2. NAVSEA Drawing No: 401-8304136
 - 6.1.2.3. NAVSEA Drawing No: 436-8304137

7. INSTALLATION

- 7.1. SCD 13739 Fire Detection System Computer Replacement/Network Upgrade
 - 7.1.1. Install FDS in accordance with SCD 13739 and drawings listed in 6.1.2.1through 6.1.2.3. FDS equipment will be installed in accordance with (IAW) manufacturer's installation procedures, to include receipt of equipment, rigging and installation into designated locations onboard ship.
 - 7.1.2. The drawings to install FDS are listed below.
 - 7.1.2.1. NAVSEA Drawing No: 185-8304135
 - 7.1.2.2. NAVSEA Drawing No: 401-8304136
 - 7.1.2.3. NAVSEA Drawing No: 436-8304137
 - 7.1.3. Contractor will provide storage for FDS components listed in 6.1.1.1, until start of actual shipboard installation.

- 7.1.4. In addition to SID modifications, accomplish all required structural sheet metal, foundation, deck coaming, piping, HVAC and electrical modifications as applicable to suit existing shipboard conditions and new work/equipment.
- 7.1.5. Contractor to test for HAZMAT in all decking, paint, gasket material and insulation in all spaces, as applicable to the scope of work prior to any removals and report findings to government rep prior to commencing work. Any abatement required shall be subject to equitable readjustments.
- 7.1.6. Contractor to comply all Shipyard and SUPSHIP regulations for all personnel working onboard.
- 7.1.7. Contractor and government representative shall conduct an inspection of the units prior to contractor acceptance. Any shipping damage is to be noted at this inspection. After the inspection, the contractor shall assume receipt /custody of the units for installation.
- 7.1.8. Any deviations must be presented to the Subject Matter Expert for approval.
- 7.1.9. Contractor shall deliver, or cause to be delivered, the unit from his warehouse to the installation site.
- 7.1.10. Contractor shall advise the government and manufacturer of intended start date of the installation.
- 7.1.11. All work performed shall be warranted against defective parts and workmanship for a period of one 90 days from the date of final testing and turnover to the ship. Damage to material described in section **Error! Reference source not found.** through **Error! Reference source not found.** caused by abuse, neglect, misuse, improper installation, use, and/or modification of any product is not covered under the Manufacturer's Warranty.
- 7.1.12. Prior to testing the government representative shall be responsible for configuring the software.
- 7.1.13. Operational testing shall be witnessed by the contractor and government representative(s). All operational testing will be in accordance with the System Operational Verification Test (SOVT).

8. APPLICABLE DOCUMENTS

Note: Reference documents shall be the latest issue/revision at time of DO award.

- 8.1. NAVSEA STANDARD ITEMS
 - 8.1.1. NOTE: NA VSEA STANDARD ITEMS (NSI) may be viewed on the Internet at http://www.supship.navy.mil/ssrac.4/standard.htm. The contractor shall comply with the latest revision of these documents in effect at solicitation closing. Additionally, in the event that there is any conflict between the references, NSIs, take precedence over technical manuals/specifications and other references.
- 8.2. NAVSEA S9AA0-AB-GSO-010, General Specifications for Overhaul (GSO) of Surface Ships.
- 8.3. Fleet Modernization Program (FMP) Policy, OPNAVINST 4720.2
- 8.4. NAVSEA SL720-AA-MAN-020/FMP, Fleet Modernization Program (FMP) Management & Operations Manual
- 8.5. NAVSEA Technical Specifications 9090-310G, Ship Alterations Accomplishment by AIT.
- 8.6. NAVSSES Instruction 4720.2F, Process and Policy for Shipboard Industrial Work.
- 8.7. MIL-STD-1689 (SH) Military Standard Fabrication, Welding and Inspection of Ship Structure.
- 8.8. MIL-STD 777E Notice 1 Schedule of Piping, Valves, Fittings and Associated Piping Components for Naval Surface Ships.
- 8.9. Air Conditioning, Ventilation and Heating Design Criteria Manual for Surface Ships of the United States Navy N.S. 0838-018-0010.
- 8.10. MIL-HDBK-299 (SH) Cable Comparison Guide.
- 8.11. NAVSEA S9074-AQ-GIB-010/248, Requirements for Welding and Brazing Procedure and Performance Qualification.
- 8.12. NAVSEA 0900-LP-001-7000, Fabrication and Inspection of Brazed Piping Systems.
- $8.13.\,NAVSEA\ 0948\text{-}LP\text{-}063\text{-}9010,\,Fabrication\,\,and\,\,Support\,\,of\,\,Piping\,\,Hangers.}$
- 8.14. Naval Ships' Technical Manual (NSTM) S9086-VD-STM-000/CH-631, Preservation of Ships in Service.
- 8.15. NSTM S9086- VG-STM-010/CH-634. Deck Coverings.
- 8.16. NAVSEA S9AA0-AA-SPN-010, Faying Surfaces Between Dissimilar Metals
- 8.17. NAVSEA Instruction 4790.3 (JFMM)
- 8.18. SUPSHIPNNINST 4720.2F
- 8.19. SCD 13739 Fire Detection System Computer Replacement/Network Upgrade

9. REQUIREMENTS

9.1. Perform a pre-installation ship check on each ship to verify the accuracy of the scope of work identified herein along with Ship Alteration Drawing Package.

- 9.2. Prepare and update a Plans of Action and Milestones (POA&M) with pre-fabrication schedule and material ordering status.
- 9.3. At the discretion of the AIT Program Manager the team leader shall be available to meet prior to proceeding to installation site to review status of prefabricated parts, material status and discuss installation schedule which will include daily milestones and contingency plans.
- 9.4. Order/manufacture, stage, store until used, package and transfer all material designated as Contractor Furnished Material (CFM) which shall include as a minimum the types of installation and consumable materials and special equipment rentals/services necessary to perform this alteration to the ship's location prior to or concurrent with the scheduled start date.
- 9.5. Arrange for the availability of all required support services such as marine chemist gas free services, pier stowage, fire watches and other required support services not provided by ship's force.
- 9.6. Ensure that each system is tagged out in accordance with standard shipboard procedures before starting work on that system.
- 9.7. Ensure that all requirements of the "Pre-Installation Check-Off List" have been accomplished prior to the start of the installation. Contractor shall review and sign the Industrial/Alteration Pre-Start Checklist (Enclosure (1) of para 2.5 (NAVSEA S9AA0·AB-GSO·010, General Specifications for Overhaul (GSO) of Surface Ships)) prior to start of each installation.
- 9.8. Develop a Quality Assurance (QA) Plan, in the form of a Quality Assurance Work Book (QAWB) formatted IAW the requirements of para 2.9 (NAVSSES Instruction 4720.2E, Process and Policy for Shipboard Industrial Work). A copy of the QAWB shall be submitted to the AIT Program Manager 1AW para 4.4 prior to each task. The QAWB shall outline and include the Work Package T&I Plan with applicable (I), (V) and (G) check points and Process Control Procedures (PCPs) which specify the critical elements and reference the requirements of the applicable NAVSEA Standard Items (NSI), para 2.1 (NAVSEA STANDARD ITEMS). The QAWB shall provide specific guidelines for preservation and painting in accordance with the requirements of Standard Item 009-32. Guidelines may be included in the Test and Inspection Plan, or contained in a separate procedure that is referenced in the Test and Inspection Plan.
 - 9.8.1. The QAWB shall also contain any necessary PCPs and personnel certifications associated with NSI 009-32. Each PCP shall have a signature block that will be signed by the contractor representative to ensure that the NSI has been followed. A copy of all welding and all other applicable certifications shall be available during the duration of the installation. The QAWB is to be retained on the work site at all times.
- 9.9. Coordinate all work with NSWCCD-SSES on-site government representative and AIT Program Manager. Inform NSWCCD-SSES representative of any technical discrepancies requiring resolution.
- 9.10. Provide required personnel to accomplish packing of materials, equipment, tools and prefabricated parts for shipping to and from installation site.
- 9.11. Provide qualified skilled trade personnel to accomplish this habitability installation, including pre- and post-installation testing as required.
- 9.12. All removed equipment will be taken to hanger bay, flight deck or other designated staging area for ship's force final disposal (DRMO/SPARE PARTS). The work site shall be cleaned and all other trash (paper, metal, etc.) shall be taken by the contractor to a designated dumpster on the pier at the end of each work day.
- 9.13. All as-built changes are to be recorded on respective SIDs if provided as GA upon completion of work. One (1) set of "red lined" SIDS are to be provided to the ship upon completion of work and one (1) set provided for turn-over to Planning Yard.
- 9.14. If SIDs are not provided as GFI, a detailed CAD sketch shall be provided to the AIT Program Manager. Sketch shall show completed as-built modifications including material identification and applicable sheet metal fabrication and installation details.

10. DELIVERABLES

- 10.1. Provide installation manager with a weekly update report on installation progress for this delivery order. (CDRL A001)
- 10.2. Provide a detailed Installation Milestone Schedule (POA&M) in a Gantt Chart format, pre-fabrication schedule and material ordering status. The initial POA&M schedules and status will be submitted within (10) working days after award of this contract. (CDRL A003)

- 10.3. Provide one (1) copy of a Quality Assurance Work Book, which at a minimum meets the requirements of paragraph 8.5, ten (10) days prior to start of installation. (CDRL A004)
- 10.4. Provide one completed and signed copy of Industrial/Alteration Pre-Start checklist five (5) days prior to start of the installation. (CDRL A0013)
- 10.5. The Contracting Officer's Representative (COR) shall be copied, or be notified of all deliverables via email.

11. SCHEDULE

- 11.1. Subject Matter Expert will provide the installation schedule.
- 11.2. Installation schedule shall coincide with the master integrated schedule provided by respective shipyard for each installation.
- 11.3. Procurement of material will not occur until schedule has been confirmed by SME.

12. SUBJECT MATTER EXPERT (SME)

12.1. Point of Contact:

(b) (6) NSWC Philadelphia Division (b)

Fire Protection Engineer

4700 S. Broad Street

Philadelphia, PA, 19112

Phone: (b) (6)

13. CONTRACTING OFFICER'S REPRESENTATIVE (COR)

(b) (6) NSWC Philadelphia Division Contracting Officer's Representative 5100 S. Broad Street Philadelphia, PA 19112

Phone: (b) (6) (b) (6)

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Inspection and Acceptance will be performed by the COR, (b) (6) , Code (b) Naval Surface Warfare Center, Philadelphia Division, Philadelphia, PA.

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC
0001	DATE OF AWARD TO 12 MONTHS AFTER DATE OF AWARD	N/A	NAVAL SURFACE WARFARE CENTER PHILADELPHIA DIVISION (b) (6) 1601 LANGLEY AVENUE, (b) (6) PHILADELPHIA PA 19112-5051 (b) (6) FOB: Destination	N64498
000101	N/A	N/A	N/A	N/A
0004	DATE OF AWARD TO 12 MONTHS AFTER DATE OF AWARD	N/A	NAVAL SURFACE WARFARE CENTER PHILADELPHIA DIVISION (b) (6) 1601 LANGLEY AVENUE, (b) (6) PHILADELPHIA PA 19112-5051 (b) (6) FOB: Destination	N64498
000401	N/A	N/A	N/A	N/A

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 1751810 81CJ 252 VU021 0 050120 2D 000000

COST CODE: A00003097837 FUNDING DOCUMENT: N0002415WX06289 / AA

AMOUNT: \$258,215.40 CIN 130053030300001:(b) (4) CIN 130053030300002:

Section J - List of Documents, Exhibits and Other Attachments

	CONTRACT D	Form Approved OMB No. 0704-0188								
The public reporting burden for this collection of information is estimated to average 440 hours per response, including the time for reviewing instructions, searching existing data assuraces, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Executive Services Directorate (0704-0188). Respondents should be aware that netwithstanding any other provision of law, no person shall be subject to any penalty for falling to comply with a collection of information if it does not display a currently valid OMB control number. Please do not return your form to the above organization. Send completed form to the Government Issuing Contracting Officer for the ContractIpt Ris. Listed in Black E.										
A. CONTRACT LINE ITEM NO. B. EXHIBIT C. CATEGORY: TDP TM OTHER										
D. SYSTEM/ITEM	N					TRACTOR				
	Detection System	N65540-15-D-004-0010								
DATA ITEM NO. 2. TITLE OF DATA ITEM 3. SUBTITLE										
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4. AUTHORITY (2018	жерованом росимент <i>но.</i>	,		W Paragraph 8.1		NAVSSES Philadelphia				
7. DD 250 REQ	9. DIST STATEMENT	10. FREQUI		12. DATE OF FIRST SUB	MISSION	14. DISTRIBUTION				
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16. REMARKS						ď	0	1	0	
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A004	Quality Assurance		ook		3. SOBTIII					
	Acquisition Document No.		5. CONTRACT RE	FERENCE		6. REQUIRING OFFICE				
	,		SOW Paragraph 8.3			NAVSSES Philadelphia				
7. DD 250 REQ.	9. DIST STATEMENT	10. FREQUENCY 12. DATE OF FIRST SUBMISSI				14. DISTRIBUTION				
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16. REMARKS Code 0 1						1	1			
Provide hard copy and electronic copy workbook. Shall be provided per Statement of Work 11.3										
WOLK III.S							-	-		
15. TOTAL → 0 1							1			
A013 Industrial/Alteration Pre-start Checklist										
4. AUTHORITY (Data Acquisition Document No.) 5. CONTRACT REFERENCE 5. REQUIRING OFFICE										
		SOW Paragraph 8.4				NAVSSES Philadelphia				
7. DD 250 REQ.	9. DIST STATEMENT REQUIRED	10. FREQUENCY 12. DATE OF FIRST S			MISSION	14. DISTRIBUTION				
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